

Figure 1:Southern analysis of genomic tomato DNA.

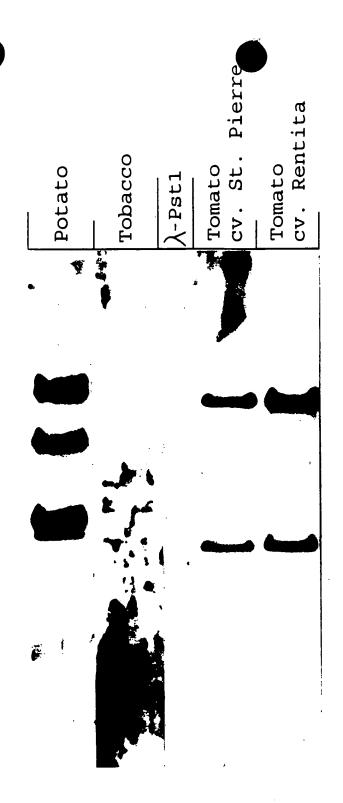


Figure 2: Southern analysis of different genomic DNAs.

|         |         | +      | l      |
|---------|---------|--------|--------|
| +<br>v  | ı<br>ı  | Pak    | Pak    |
| Rutgers | Rutgers | Basket | Basket |

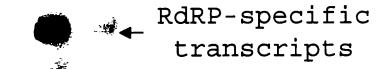


Figure 3: Northern analysis of total tomato RNA

## Purification of the RdRP

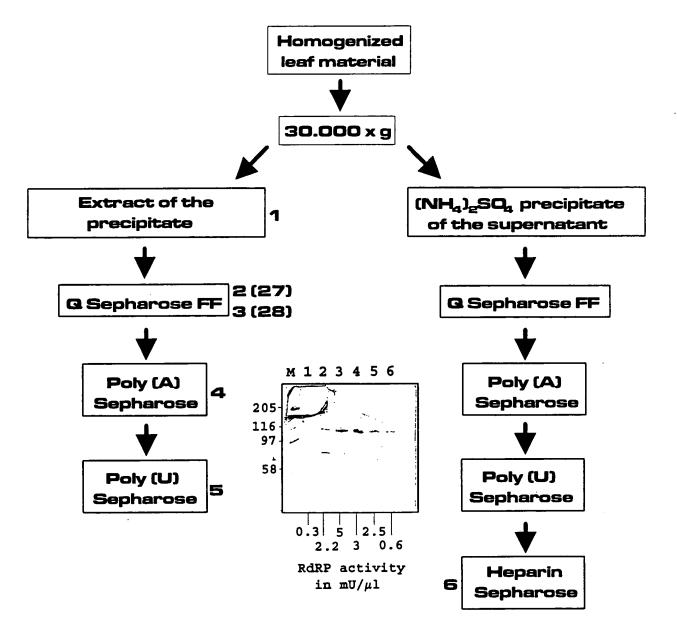
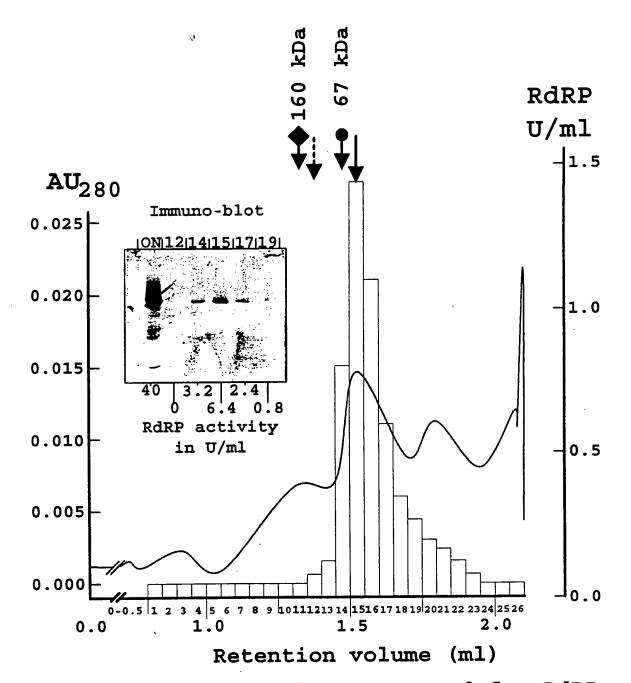


Figure 4: Immuno-detection of tomato RdRP protein with a RdRP cDNA-specific antibody

## Gel filtration analysis of the RdRP (Sephadex G-200)



----> = Retention volume expected for RdRP

Figure 5: Immuno-detection of the tomato RdRP protein with a RdRP cDNA-specific antibody

Nucleic Acid AS-Seguence Sequence 3'-CTY ATR GGN CTR AAR TAC CTR TTY GGN CTR TTY-5' 130kDa-8

RdRP/8 H1: 5'-TAY CCN GAY TTY ATG GAY AA-3'

PCR-Primers

RdRP/8 R1: 5'-66 YTT RTC CAT RAA RTC NGG RTA-3'

Nucleic Acid AS-Sequence Sequence 3'-TTY CGN GTY CTY CGN RAN GAY GTR WSN GGN CCN CTY TTR TGN TTN TAD RAN TTY-5' 130kDa-15

RdRP/15 H1: 5'-aar gcn car gar gcn yth ga-3'

RdRP/15\_R1: 5'-AT NTT NGT RTT YTC NCC NGG-3'

PCR-Primers

Figure 6: Design of RdRP-specific PCR Primers